

**Year 9 Oceans Alive**  
**Practical Assessment Task**  
**Fishing Float Project**

**The Project**

**a) Practical.** (20 Marks) This part will be done in class time.

Each student will construct a fishing float from balsa wood and dowel.

- must be able to float upright
- can be balanced with weights

**b) Report outlining the design process and construction procedure.** (20 Marks)

This part will be done at home.

Students' reports must include the following sections.

In each section you need to answer the questions listed.

	Marks
<b>1. Aim.</b>	
What did you set out to achieve?	(1)
<b>2. Design</b>	
a) How and why did you choose your design?	(1)
b) Describe the main features of your design.	(2)
c) How do you think the features of your design make your project work better?	(2)
d) Include a scale diagram (including measurements) of your project.	(2)
<b>3. Procedure.</b>	
a) Include a list of materials and equipment used.	(1)
b) Set out in numbered steps, in order, the procedure you used to make the item.	(2)
c) Include diagrams to illustrate the process.	(2)
d) List any risks (dangers) and what you did to ensure your safety.	(2)
<b>4. Conclusion.</b>	
a) Did your project turn out as you had hoped? (You may need to test your project and comment on how it works.)	(1)
b) Did you encounter any problems? What were they?	(2)
c) Describe any changes you would recommend to the designing or manufacturing process to improve this project.	(2)

**Assessment**

This task forms part of the practical component (40%) of your Year 9 assessment

**Completion Date**

Models and accompanying reports must be handed in for marking on or before

**Payment for Materials**

Balsa is relatively expensive, consequently there will be a small charge for materials.

**Each student should place \$3 in an envelope and return this to Mr. McNeil or Mr. Garbutt as soon as possible.**

They will receive their materials and be able to begin the project on receipt of the money.

**Alternative**

Any student who has difficulty with prompt payment should discuss the matter immediately with Mr. Garbutt so that the problem can be resolved.

A possible alternative is the construction of a cardboard model accompanied by a longer written report.